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THE INDUSTRIOUS HEN

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JULY, 1916



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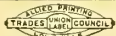
Blair-Young Publishing Co.
INCORPORATED
Louisville-----Kentucky

W.J. SMITH ART STUDIO

THE Industrious Hen

Absorbing Poultry Ideas, Louisville, Ky.; Practical Poultry, Birmingham, Ala.; The Poultry Times, Norfolk, Va.; Southern Poultry Magazine, Nashville, Tenn.; The Poultry News, Bustleton, Pa.; Tennessee Poultry Journal, Lebanon, Tenn.; The National Poultry Breeder, Owensboro, Ky.; Everybody's Poultry Journal, Nashville, Tenn.; The Leghorn Journal, Appomattox, Va.

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Editorial and Business Staff.
I. GAYLORD BLAIR, Managing Editor
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W. J. SMITH, Artist.

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PUBLISHERS' ANNOUNCEMENT—All manuscript and copy for change of advertisements should be in our hands promptly by the 10th of the month preceding date of issue. **THIS IS IMPORTANT.** New business can be accepted as late as the 25th of the month, but special position cannot be guaranteed.

WE ALWAYS STOP THE MAGAZINE at the expiration of the time paid for unless a renewal of subscription is received. Those whose subscriptions have expired must not expect to continue to receive the magazine unless they send the money to pay for it another year.

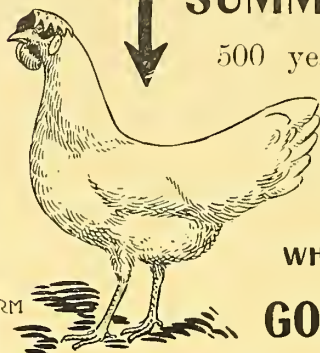
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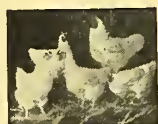


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For reduced prices on eggs and stock see Lombardy Heights Poultry Farm ad on page 259, this issue. 5-2t

BANTAMS

Seabrights, Japanese Cochins, Games, Brahmas, Rose Combs, Polish. Send 2c stamp for circular. Fenn Bantam Yards, Desk L, Delavan, Wis. 1-6t

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Champion Dark Cornish. Seven grand pens. Morris & Rearick, Eaton, Ind. 3-4t

SILVER SPANGLED HAMBURGS.

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White Leghorns. Pen in last Storrs' Egg laying contest averaged over 193. Eggs \$8 per 100. Chicks \$15 per 100. Windsweep Farm, Redding Ridge, Conn. 3-4t

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Buff Minorcas. Eggs balance of season half price. Now \$2.00 and \$1.50 per 15 for pen 1 and 2. Mrs. Sarah Gray, Lebanon, Tenn. 6-1t

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Bean's Rose Comb Reds. Eggs 10, chicks 15 cents. Rosecomb Farm, R. No. 2, Milford, Ill. 5-4t

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Purebred Silver Laced Wyandotte Eggs that will hatch Wyandottes. Photographs on request. No stock for sale. Eggs \$1.50 for 15. Satisfaction guaranteed. A. H. Harrell, Hickory, Ky., R. No. 2. 3-5t

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White Wyandottes. Line bred for gen-eration from Boston, Chicago, Indianapolis winners. Three pens mated. Headed by Stilish-Model, Grand Master, King George 2d. Mating list free. Eggs, stock. Mrs. Sabe Gary, Mayfield, Ky. 3-5t

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Kills Lice and Mites. I make a chicken powder that I have used eight years with good success. Kills lice and mites instantly. Good for little chicks and setting hens. Harmless to eggs. Costs about eight cents a pound to make. Receipt 25 cents silver. Guaranteed or money refunded. Mrs. Edna Crowl, Lane, Kans., R. No. 1. 5-3t



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Scratch	Feed Meal	Meat Scraps
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Covering every phase of poultry husbandry, each lesson complete, thorough, practical. Written by Quisenberry, the man who has done more for the poultry industry than any man in America. No matter whether you are an old hand or just beginning you will find these lessons will pay for themselves many times over. Write today for our free illustrated book, "Dollars and Sense in the Poultry Business." It tells the tale. **American School of Poultry Husbandry, Box 60 Mountain Grove, Mo.**



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EASIEST run, **Fastest** Cutter, **Strong**, **Substantial** build. Bone scrap means **more eggs**, **higher percentage fertility**. Own a "Crown" Cutter and have fresh bone for every feed. Dry Bone, Grain and Shell Mills. Hand and Power sizes. Free illus. catalogue. Est. 36 years **WILSON BROS., Dept. 16 Easton, Pa.**

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S. C. BUFF LEGHORNS

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SEND FOR FREE MATING LIST

W. L. WILLIAMS, Jr. Box 15, Frankfort, Ky.

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of POULTRY
LIVE STOCK and
FARM SCENES
for CATALOGS
BOOKLETS and
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SOME OF OUR PLEASSED PATRONS

BLAIR YOUNG PUBLISHING CO., Russell Springs, Ky., February 6, 1916.
Gentlemen: I received as my premium one pair of Anconas, for making up a list of 12 yearly subscriptions, yesterday. Am well pleased with them. Wishing the **Industrious Hen** much success, I remain,
Yours truly,
W. C. COMBEST.

THE INDUSTRIOUS HEN, Ensley, Ala., January 24, 1916.
Dear Sirs: Am dropping you a few lines in regard to the pair of S. C. Black Minorcas received last week from Harley L. Williams, of Moultrie, Ga. They arrived O. K. Must say I am very much pleased with them and also to say I enjoy the **Industrious Hen**. I am,
Yours very truly,
O. A. FINLEY.

INDUSTRIOUS HEN, Etowah, Tenn., Jan. 15, 1916.
Dear Sirs: Received the pair of White Orpingtons from Mrs. Kenney, Wednesday night, the 12th, and am highly pleased with same. Thanking you very much for securing these birds, I beg to remain,
Yours very truly,
BEN H. MCGHEE.

THE INDUSTRIOUS HEN, Roanoke, Va., Nov. 20, 1915.
Gentlemen: I received yesterday from the Catalpas Poultry Yards, Dry Ridge, Ky., the pair of Barred Rocks which you so kindly gave me for soliciting subscriptions for you. The birds are even finer than I expected to get, which goes without saying that I am more than pleased with them. I am not much of a judge of chickens, having just started to raise a few, but as far as I know, I think the pullet bred line that were sent me will give entire satisfaction. Thanking you and Mr. Steers for the favor and general promptness from both of you. I am sure that the birds sent are of the finest stock.
Very truly yours,
H. E. MURRAY.

THE INDUSTRIOUS HEN, Winchester, Tenn., R. No. 6, Oct. 29, 1915.
Dear Sirs: The pair of S. C. Rhode Island Reds reached me on the 19th all O. K. Am well pleased with them. Thanking you very much for securing such a good pair of birds, I am,
Yours truly,
MRS. C. D. GRAY.

THE INDUSTRIOUS HEN, St. Elmo, Tenn., Nov. 2, 1915.
Dear Sirs: I thank you for the Ancona cockerel received on last Friday, and wish to say that he is very satisfactory.
Sincerely,
JNO. HARTLEY.

FREE EGGS! FREE BIRDS!

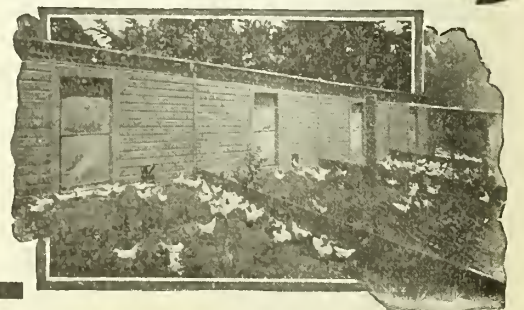
We will give you a pair, trio, pen or eggs for hatching, absolutely free. The stock to be selected by us from any breeder's yards who advertises in the columns of the **INDUSTRIOUS HEN**. You have choice of any variety. We want you to get your neighbors to subscribe for the **INDUSTRIOUS HEN**. Show them a copy of the paper and they will gladly subscribe and will thank you for suggesting it to them.

OFFER—Eight yearly subscriptions—One Setting of eggs (15). Twelve yearly subscriptions—One Male and Female (pair). Twenty yearly subscriptions—One Male and Two Females (trio). Thirty yearly subscriptions—One Male and Four Females (pen).

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The Industrious Hen

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Just say you saw it in THE INDUSTRIOUS HEN.

THE INDUSTRIOUS HEN

VOL. XIII.

LOUISVILLE, KY., JULY, 1916

(Whole No. 136)

No. 1

BEAUTY AND EGG PRODUCTION.

Can These be Combined in the Same Fowl? Good of the Poultry Industry Demands That We Quit Arguing the Question, but get Busy and Turn the Trick.

By T. E. Quisenberry, Kansas City, Mo., President of the American School of Poultry Husbandry.

CAN utility and beauty be combined in the same fowl? Or, in other words, is it possible to combine egg production and Standard requirements? If not, we had better change the Standard where necessary. It is said that the life of the average fancier is three years. If this be true, it is our duty to get busy and help him develop ways and means by which he will be enabled to make more dollars and cents and thus stay longer in the business which he has chosen and in which we are all pleased to have him engage.

Some are still arguing the momentous question of "Which was created first, the hen or the egg?" and also that perplexing question of "Why a black hen lays a white egg." Could they not better spend their time trying to produce the hen and to get the egg? We also see many arguing for and against the question of combining "utility and beauty." Instead of saying it cannot be done, had we not better be trying to harmonize and combine these two desirable qualities? We all admit that they are desirable, then let's quit trying to discourage those who are making the effort, and find out on what basis or to what extent and to the highest degree that they may be combined.

A hen that never laid an egg would naturally be expected to score some higher than a hen of the same variety that laid a great many eggs, but we would rather have a hen that scored 90 and laid 200 eggs than to have one scoring 94 that laid only 90 eggs. The man is either prejudiced or narrow-minded who would attempt to discourage the breeders from making an attempt to combine these two qualities in all varieties of poultry. The Standard of Perfection calls for 100 points for each variety. No one ever saw a bird or perhaps ever will see one that is perfect or would score 100 points. But that is no reason why we should discourage breeders in their efforts to breed more perfect specimens. It is just as sensible to do that, however, as it is to try to tell them they cannot combine utility and beauty to a greater degree than they are found in the average flock at the present time. The thing to do is to make the effort and quit arguing about it. We are convinced that it can be done. If it cannot be, then it is high time we begun to discover the changes necessary to make in the Standard requirements so that it may be done.

A prominent breeder of Buff Leghorns has had first prize winners at the World's Fair at San Francisco, and at the Chicago Poultry Show hatched from birds with records as high as 215 eggs. Prominent Barred Rock breeders to our knowledge have had hens lay as many as 250 eggs and still score high enough to win first prizes in strong competition. If this can be done with these two varieties, it can be done with most any other. There is no use to put goggles on our eyes and blind ourselves to the truth. The thing to do is to get busy and turn the trick. The breeders who are making the effort are those who are going to stay in the business when he who hesitates will long be forgotten.

The time to score a pullet is just before she has laid her first egg. It has been long admitted by all fanciers

that this is the period in the life of the average female when she is considered in "full bloom." This is when you can get the best check on her from a fancy or Standard point of view. After she has been trap-nested and gone through a hard year's work and the strain of laying a large number of eggs, it is not to be expected that she will retain quite the same beauty of plumage and shape that she had just previous to laying her first egg. But her value and true worth from a fancy standpoint and for breeding purposes may be there just the same. A certain lady may be considered the most beautiful woman in your community, but after that lady has spent a hard day's work in a hot kitchen she may come out with flour and smut on her face and clothing and not look quite as attractive as she does in her evening clothes with her drug store complexion, but the natural beauty and good qualities of the real woman will be there just the same, though they may be temporarily hidden by flour and smut from the pots and kettles.

The various egg-laying contests which are being held are doing much to aid the breeders of the country in their efforts to combine egg production and beauty or Standard requirements to the greatest possible degree. The American School of Poultry Husbandry has arranged to establish an American Egg-Laying Contest on their own experimental grounds near Kansas City, where all of these points are to be given due consideration, and entries are now being received for this contest. Prizes will be offered, not only for the greatest number of eggs laid by both pens and individuals, but for the greatest weight in eggs and also for the pen showing the greatest net profit. Winter layers will count here.

Each bird scoring 90 or more points and laying 120 or more eggs will be awarded a handsomely engraved certificate to that effect. Here is where beauty and utility will be combined and certified to. Each bird will be officially trap-nested and that record certified. Each will be tested for white diarrhea and that certified. Each will be scored and a Standard score card by a licensed judge furnished. If you had a pen of such hens that had met the test, that had made a good record and you were furnished an official registration certificate to that effect, would not those birds be worth a great deal to you as breeders? Would it not be a great thing to advertise such stock? Would your customers not be pleased to buy eggs and stock from birds which they knew had met the test at the trap-nest, met Standard requirements, and which they knew to be free from white diarrhea? You would certainly have great advertising advantages and great pulling power over the careless breeder who had no such record back of his stock. It would not take such long-winded letters to land sales. Your certificates of registration, your score cards and your trap-nest records would speak for themselves.

Today, eight or more of our leading State colleges of agriculture and universities are putting on contests and hundreds of progressive poultrymen are having their birds officially trap-nested. The breeder who has a good egg record and a good show record back of his birds is

the one who is getting the business. This contest is to be held by the American School of Poultry Husbandry on their own grounds near Kansas City.

CLEVELAND AND THE A. P. A. CONVENTION.

Forty-first Annual Convention of American Poultry Association at Cleveland, Second Week in August—Great Preparations Being Made by Ohio Poultrymen for Entertainment of Visiting Members—Cleveland, Being Centrally Located, Should Draw Well—Make it a Point to be Present at this Important Meeting.



At the invitation and under the auspices of the Cleveland Poultry Breeders' Association, assisted by the Ohio Poultry Breeders' Association, the forty-first annual convention of the American Poultry Association will be held in the city of Cleveland in the auditorium of the Hollenden Hotel, beginning Monday, August 7 and ending Thursday, August 10. It is expected that an unusually large delegation will be present at the several sessions, for many important measures affecting the poultry industry of America will come up for consideration. On account of the shortness of the session, the committee representing the Cleveland Poultry Breeders' Association is somewhat hampered in its endeavors to provide contemplated entertainment for the visitors without interfering seriously with the regular business of the association. However, it is going ahead and will carry out everything advertised. There is much of interest in the Sixth City to be seen by visitors within her gates that it is difficult to arrange a program of entertainment and sight-seeing for the limited time that the association will be in session. We believe the members will be pleased with the selection of the Hollenden Hotel as convenient headquarters. This is one of the finest hosteleries in the country. It is a well appointed hotel, inviting and home-like. We are sure that members will feel at home within its walls. Its management is among the best, its attendants courteous and obliging. The caste that predominates in many hotels of its character has no place in the Hollenden. The very air of its lobbies is fragrant with the odors of welcome. The moonlight ride on old Lake Erie with music and dancing, will, we believe, prove an enjoyable occasion for all. The committee has chartered for the evening of August 10 the fine steamer "Saint Ignace" and hopes that all members in attendance will avail themselves of the privilege thus afforded for their enjoyment.

The visit to the mammoth store of The May Company, Wednesday, the 8th, planned for the ladies in attendance, will be to them an occasion long to be remembered. This is one of the great stores of the country, and will compare favorably with the largest and best. In fact it is the best of its kind west of New York City. We feel sure that the ladies will enjoy the visit thus planned for them and which will be full of surprises. The auto ride for the ladies, scheduled for the afternoon of the 10th, will be a marked feature of the entertainment offered by the committee. No city of equal population can boast a finer park and boulevard system than Cleveland. It is proposed to give the A. P. A. members an opportunity to view this system and enjoy its beauties by means of the auto ride mentioned above. Members having the time and feeling so inclined will be well repaid by a visit to the Federal building, the county court house, the new city hall, Case School of Applied Science, Western Reserve Medical College, Garfield Monument, Warrensville Farm, Euclid Beach and Luna Park. There are numerous public institutions, such as asylums for the indigent, for orphans, for the insane and for the aged, a visit to any one of which will well repay the visitor for the time spent. In visiting any of the places mentioned the visitor will have no trouble if he but avail himself of the information, which will be given gladly by the committee, as well as the advantages offered by Cleveland's splendid street car service. No city in the United States can equal, much less excel, the street car service of the Sixth City.

The committee takes this opportunity to extend a cordial invitation to all members of the American Poultry Association, and to poultrymen in general, to be present and aid in making the forty-first annual convention the most successful of any yet held.

REPORT OF NATIONAL EGG LAYING CONTEST, MOUNTAIN GROVE, MO.

Despurring Male Birds—All Hens in Contest Have Averaged 99.6 Eggs—One Pen Averaged 12 Dozen Eggs per Hen in Seven Months—Leghorns Take All Prizes in May—White Plymouth Rocks Lead for Seven Months in Both Individual and Pen Records.

By C. T. PATTERSON, Director.



NATURE has seen fit to provide animals with some means of defense—dogs bite, cats scratch, mules kick, cows use their horns and male birds use their spurs. It is a common practice among cattle breeders to dehorn their cattle so they cannot injure each other. It is just as important but not so extensively practiced, to remove the spurs from male birds if two or more are to be kept together.

Those who have made a study of the actions of a male bird while fighting, tell us that the male does not strike his enemy with his wings intending for the stroke from them to affect any injury upon the enemy, but that the bird strikes simultaneously with the feet and wings and that the bird strikes the enemy on both sides at the same time, and the wings strike on the outside of each leg, which drives the spurs into the enemy. Therefore, the best way to control the fighting among male birds is to remove the spurs.

Another danger is the male birds with spurs tear the skin on the backs and sides of the females. While part of this is done with the nail on the hind toe of the male, yet if the spur is removed, this danger is lessened.

The spur of a bird is made in very much the same manner as the cow's horn, having a hard, horny shell around a more porous bony structure and the same principles may be observed in despurring fowls as are observed in dehorning cattle. One of the principal points to be observed is to take off all the spur by cutting close to the shank. If the spur is not cut off close to the shank, the injury does not heal so readily and is not generally as satisfactory as cutting close.

The spur is much easier to remove from a young bird than from an old one. The spurs may be taken off with a fine saw, a knife or a pair of pruning shears.

On "Swat-the-Rooster Day" at the Experiment Station, fifty-eight male birds which were to be kept for next year's breeding pens were despurred and placed in a pen together. Of this number only one bird was lost from either fighting, handling or despurring.

Many valuable birds, both males and females, will be saved if the despurring of male birds is more generally practiced. A number of males placed in a pen together without females seldom fight.

The Egg Laying Contest.

The fifth National Egg Laying Contest, 104 pens of five hens each, is making a fine record, all hens in the contest making the highest record of any contest for the first seven months. The averages of all hens in each contest for seven months are as follows: First contest, 80 eggs each; second contest, 85.6; third contest, 97; fourth contest, 83; and fifth contest, 99.6.

Nine thousand four hundred seventy eggs were produced during May which is an approximate average of 18.22 eggs each.

The average for the month of May in each of the contests are as follows: First, 17.5; second, 17.5; third, 19; fourth, 17; fifth, 18.2.

There were 207 broody hens recorded during the month.

All prizes for May were won by S. C. White Leghorns. Pen 24, S. C. White Leghorns, from England, won the cup for May by laying 133 eggs.

The five highest pens for May are as follows:

Pen.	Eggs.
24. Single Comb White Leghorns, England	133
27. Single Comb White Leghorns, Missouri	131
30. Single Comb White Leghorns, Missouri	129
23. Single Comb White Leghorns, Ohio	127
32. Single Comb White Leghorns, Missouri	126

Hens making the five highest records for the seven months are equally divided between the Plymouth Rocks and Leghorns. They are as follows:

Hen.	Pen.	Eggs.
4.	75. White Rocks, Washington	176
3.	25. Single Comb White Leghorns, Washington ..	163
5.	75. White Rocks, Washington	160
5.	6. Single Comb White Leghorns, New Jersey ..	157
1.	69. Barred Rocks, Missouri	157
2.	25. Single Comb White Leghorns, Washington ..	155



Scene on Lombardy Heights Poultry Farm, Jno. D. Reid, Prop., Stanford, Ky., where 14 varieties of land and water fowls are bred.

Six breeds share in the honors for ten highest records for the seven months. The five hens in the leading pen have made an average of twelve dozen eggs each in seven months. The pens making the ten highest records for seven months are as follows:

Pen.	Eggs.
75. White Rocks, Washington	721
69. Barred Rocks, Missouri	716
59. Rose Comb Rhode Island Reds, Missouri	704
25. Single Comb White Leghorns, Washington	697
82. Black Orpingtons, Indiana	670
56. Single Comb Rhode Island Reds, Iowa	659
102. Oregons, Oregon	648
17. Single Comb White Leghorns, Texas	637
49. White Wyandottes, Michigan	631
11. Single Comb White Leghorns, Kansas	628

Thirteen hens have already laid over 150 eggs each.

\$4,000,000 THE VALUE OF ONE SEASON'S POULTRY SHIPMENTS.

Enid, Okla., Now Leads Southwest in Production of Poultry and Eggs Through Development of Farm Flocks—Milk-fed Chickens a Specialty.

By VICTOR H. SCHOFFELMAYER.

E NID, Okla., shipped in 1914, 9,000,000 pounds of dressed poultry, including 800,000 pounds of turkey, 300 cars of live chickens and 520 cars of eggs, valued at a total of almost \$4,000,000. Enid in less than ten years has become the leading original shipping point of poultry products in the Southwest. Farmers of Garfield county and surrounding territory have found the production of chickens and eggs very profitable. While there are no very large flocks in the district, there is not a farm but what has a money making flock, the sales of eggs, broilers and fowls in hundreds of cases making the living for the family. The tremendous poultry business has developed without organization in a quiet, logical way, the farmers gradually mastering the various problems incidental to the business. There are today three large poultry packing houses and two live poultry and egg shipping firms in Enid, all doing a capacity business. Enid poultry is shipped to England and other European points, to Cuba and South America and to every State in the Union.

Milk-fed poultry is made a specialty in the big plants of Swift & Co., and the Aaron Poultry & Eggs Co. As many as 30,000 chickens are fattened in crates in each of these concerns at one time, buttermilk and soft mash being the chief diet for the birds. Live poultry and eggs are handled by Clark & White Produce Co., Enid Poultry & Eggs Co. and Everett Bros. Poultry & Eggs Co. Swift & Co. make a specialty of dressed turkeys during the fall season. This firm and the Aaron Poultry & Eggs Co. also make a specialty of broilers, which has become an industry of large proportions and nets the farmers large returns. April, May and June in the past have been the heaviest producers of broilers in the Enid district, but indications are that earlier production of this class of poultry can be counted on in another year. Farmers receive from twenty-five to thirty cents a pound for broilers

weighing from one and a half to two pounds delivered at the killing plants about May 1. Higher prices for earlier delivery can be counted on.

The average price for fowls at Enid is about twelve cents a pound during fall and winter. Turkeys last year were sold for sixteen cents a pound, but in other years they have brought as high as twenty cents a pound. Contract prices of eleven and one-half to twelve cents a pound for fowls throughout the year are not uncommon. In March, prices ranged from twelve to thirteen cents at Enid for old hens and remained at seven cents a pound for old roosters.

Observe Annual Rooster Day.

To promote the production of more infertile eggs and thus increase their sale value, packers and produce buyers of Enid inaugurated an annual "Rooster Day," on which a premium of one to two cents above the market price is paid for old males. Farmers have taken advantage of this opportunity to rid their flocks of useless males after the breeding season is over. By making an annual event of the capture of the males June 15, the day of the rooster drive, farmers have gradually learned the importance of separating the males from the laying hens after breeding season is over. Fertilized eggs start to spoil within twenty-four hours during warm weather. Without the presence of males there can be no danger of fertilization. Thousands of roosters are brought to the poultry plants every June 15. In the larger plants there are discussions on the merits of birds for the benefit of farmers to familiarize them with the requirements of the market. There is close personal contact between poultry buyers of Enid and the farmers, all of which has helped greatly to increase the interest in poultry raising. The average Garfield county farmer knows the fine points of poultry raising and is in a position to make the largest profit out of his flock as a result. He knows what a broiler is as well as the merits of a rooster.

Enid dressed poultry is shipped twelve birds to a box and live birds are shipped 5,000 to the car or 140 pounds to the crate. The writer saw fifteen cars of live poultry ready for shipment on one track at Enid late in March, nearly all of which was destined for the New York and Boston market. Three-fourths of a total of 100 cars of live poultry shipped by Clark & White last year went to New York, and one-fourth to Los Angeles, Cal. The bulk of the live poultry is shipped during February and March. Broilers begin to move about April 1.

The Enid market especially wants birds weighing five pounds or more, live weight. This class of fowls is mostly in demand everywhere, and that is why Enid poultry buyers have called the attention of farmers to the need for raising only large breeds of chickens. Clark & White discriminate against Leghorns because of the light weight of the birds. In general, all dealers urge the raising only of larger breeds, such as can be counted on to lay a large average of eggs a year and which hens will weigh heavy when they are brought to market after they are through laying. The Wyandottes, Plymouth Rocks, Orpingtons and Rhode Island Reds are urged on farmers for fulfilling all requirements.

Enid Enjoys Natural Advantages.

Poultry raisers of Garfield county and vicinity enjoy many advantages over other sections, all of which mean dollars to them. They are in the heart of one of the most fertile agricultural spots in the Southwest and have a climate which is unusually mild, thus favoring the raising of chickens and eggs. The mild winter allows the early maturity of broilers at a time when prices are highest. In the same manner early eggs are produced, which command top prices. Enid is on the main line of the Rock Island lines and has two other railroads. There are dozens of farms on which the hen makes the living for the family. Some farmers sell their eggs and poultry at the Enid stores and the writer saw several accounts which totalled as high as \$700 and \$800 a year, including butter and cream.

One of the most successful poultry raisers in Garfield county is J. C. Eichhoff, of near Waukomis, who sold \$225 worth of eggs and poultry from a flock of 800 laying Leghorns during March. Incubators are used and the per cent of hatching was eighty. Mr. Eichhoff raises his own feed, chiefly kafir, corn, wheat and special green feed, for his birds. Sprouted oats is also fed during the winter. Open-front poultry houses are used with canvas drops in severe weather.

Fifty Dollars a Month from 300 Hens.

An average yearly income of \$50 a month is derived by Charles King, of Enid, from a flock of White and Brown Leghorns. Mr. King is one of the most successful general farmers and orchard men in the State, in addition to being a progressive poultryman. He raises all his own feed and attributes his success largely to this factor. He says feterita is one of the most reliable poultry feeds. Last year his average yield per acre was forty bushels. He planted as late as July 15 and harvested a bumper crop, while earlier planted feterita failed. Mr. King feeds his laying hens kafir and feterita, middlings, cracked wheat, corn and beef scraps. He lowers the grain ration in summer and increases it in fall and winter. His flock has a large pasture of wheat or rye during winter and early spring. There is a scratching shed, sixteen by fifty feet, in which the hens are kept during cold weather, and they are always fed in the litter of this shed to induce exercise. Only open poultry houses are used, the front being covered with poultry net.

Mr. King says he has scarcely ever had a case of cold or roup among his hens. Even in cold weather there have been no frozen combs. The laying pen is sixteen by 150 feet. During March Mr. King got an average of 155 eggs from 200 laying hens, the record being 187 eggs for March. The hens and pullets began to lay during September and October, when eggs sold for twenty-five to thirty-five cents a dozen. The upkeep of the flock is about \$1 a year per hen, and the income from each bird is about \$3.50 a year, leaving a net profit of \$2.50 a year. There have been higher individual records in the flock, and Mr. King has gradually raised the average of his flock from about eighty eggs a year to about 140. Two 400-egg incubators are used, and an average of eighty per cent hatches are obtained. A roomy brooder house was built at small expense, kept warm with a wood stove. The total investment, house and poultry, totals only about \$800. Mr. King saves all early hatched pullets and counts on his hens laying profitably for at least two years.

Broilers Average Profit of Sixty Per Cent.

Broilers on the farm of Guy S. Manatt, near Enid, average a profit of sixty per cent, Mr. Manatt having found it possible to produce the birds up to two pounds in weight in five months at a cost of twenty cents. Out of 1,600 chicks hatched in December, more than 200 had gone to the market early in April. The balance reached market in May. Mr. Manatt has 275 White Orpington hens which during February averaged fifty per cent in egg production. Realizing the possibility of an early broiler season on the Enid market, Mr. Manatt devotes almost his entire attention to their production, setting eggs in midwinter. After broiler season is over no more birds are fattened. Only laying hens of high yield are kept. In June all roosters are caponized and sold to private trade in Enid for twenty to twenty-five cents a pound.

The laying house is twenty by eighty feet, with separate runways for the different flocks of layers. There are special pastures of two and one-half acres of wheat, one acre of oats and two acres of alfalfa, to which the hens have access. Feterita is ground for chick feed and has proved



Fawn and White Indian Runner Drake, showing Excellent Type of this Breed.

to be one of the most valuable of all feeds. Alfalfa meal, green bone and shelled corn are largely fed to the laying hens.

\$500 a Year from 327 Hens at Enid.

An income of \$500 a year from eggs laid by 327 Barred Plymouth Rock chickens is the record of Mrs. Nina B. Herndon, of near Enid. By careful selection, Mrs. Herndon has increased the egg laying powers of her flock at least one-third. The eggs command a premium because they can be relied on for freshness and quality. During winter the flock laid an average of fifty per cent daily. Every hen on the place last year earned an average of \$2.50 in twelve months. Old hens were sold for 75 cents each, another proof of the greater returns made possible by raising a large breed like Plymouth Rocks. Mrs. Herndon has a laying house twelve by sixteen, fitted with nests sufficient to accommodate the flock. No hen is kept longer than three years.

Oats are the chief egg producing feed, says Mrs. Herndon. She feeds it every morning in a litter of straw after the oats have first been scalded in hot water to cause them to swell. They are then mixed with bran. Wheat and corn are also fed, also feterita and kafir. Mrs. Herndon annually kills some of her choicest fowls and puts them into cold storage, selling the birds when prices are highest. All the feed for the flock is raised on the farm. Sanitation is looked after regularly. The floors in the pens are concrete. Pullets which do not lay in November are fattened for broilers and promptly sold. At the same time that eggs are placed in the incubator Mrs. Herndon sets broody hens and lets them mother the incubator chicks when they are hatched.

His Income is \$2,500 a Year off Forty Acres.

J. C. Rogers, of near Enid, annually sells poultry, eggs, butter and milk valued at \$2,500 off his forty-acre farm. His poultry and egg income is at least \$600 a year from 350 hens. He has a flock of White Leghorns and some White Plymouth Rocks. He sold fifteen dozens of eggs one day in February when the price was twenty-five cents a dozen. He guards against fertile eggs after the breeding season by removing all his roosters, sending the old males to market and caponizing the young roosters. He raises all his feed, including kafir and feterita, wheat, corn and green crops for poultry pasture late in the fall and early in spring.

G. H. Daniels, of near Enid, last year sold \$700 worth of poultry and eggs, raising all his feed.

BOYS' AND GIRLS' POULTRY CLUBS IN KENTUCKY

Farm Boys and Girls Are Being Made Happy by Government Aid in Getting a Start in the Poultry Business with Standard-Bred Stock—Work is Carried on by U. S. Department of Agriculture in Co-operation with Extension Department of State Agricultural College at Lexington—Nine Counties Organized with an Enrollment of 700 Members.

By ARTHUR S. CHAPIN, State Agent in Boys and Girls Poultry Clubs.

FOLLOWING the corn and wheat production of the country is the modest hen that grinds out the millions of eggs used each year for food in the United States. The value of market poultry and eggs is right at the top and the demand is ever increasing to supply the wants of the people. In other words we haven't hens enough in the country to supply the demand for eggs alone. The government recognizes this fact and has established a poultry organization as part of the Bureau of Animal Industry, for the purpose of stimulating the poultry industry throughout the country.

A State poultry agent has been appointed for Kentucky as well as for other Southern States, and it is his business to help teach and preach the necessity of improved poultry methods, especially among the boys and girls who will be the farmers of the next generation. The State poultry agent for Kentucky is Arthur S. Chapin, who has headquarters in the Agricultural Experiment Station, Lexington. Information regarding poultry problems and the government bulletins on various phases of poultry husbandry may be secured by writing to him.

Poultry is a valuable source of income on the farm, as well as the best means of a fresh meat supply for the home table. Farmers should improve their flocks and aim for a better quality of poultry and eggs. The boys' and girls' poultry clubs will aid in this development.

The object of the poultry club work, as carried on in six Southern States by the Bureau of Animal Industry, U. S. Department of Agriculture, may be briefly stated as follows:

1. To develop and make more wholesome rural life by organizing and helping the coming generation of boys and girls.
2. To instruct boys and girls by means of government bulletins which give valuable information on the subject of the selection of stock, hatching, rearing, feeding, housing and marketing their poultry products. Also by means of the general supervision of the State agent and special supervision of the county farm demonstrator and canning club agent.
3. The holding of the club poultry shows in connection with the county and State fair exhibits.
4. To create a sense of ownership on the part of club members, and a love for animals, which means development of good character.
5. To stimulate an interest in agricultural education.

Several of the Kentucky poultry clubs have been organized on a community breeding plan, and all the members have adopted one variety, usually of a general purpose breed, in order to develop a uniform market product. Christian county, as a whole, has adopted the White Wyandottes and the boys and girls there are having splendid success in their start with the Wyandottes. More than half the club members in Pulaski county are raising Barred Rocks. This scheme of standardizing one variety helps to develop interest and will mean much toward more profitable poultry raising.

Any boy or girl of ten to eighteen years may become a poultry club member in the counties where the work is carried on by incubating at least one setting of eggs from fine breed stock. They are also required to write a composition on poultry raising during the year, keep records of their work in books furnished by the State agent. Each boy and girl is expected also to exhibit one dozen eggs and some of his chickens at the county fair each fall. There is no cost in any way except the price of the eggs purchased and that is the member's investment.

Results: The co-operation of Kentucky's leading poultry breeders in helping farm boys and girls get a start in

the poultry business; agricultural education started in rural schools; the production of the infertile eggs after the breeding season, thereby saving the producer of eggs \$15,000,000 annually; the improvement of farm poultry; the poultry clubs provide for the boy and the girl on the farm, a much needed interest and share in farm life.

POULTRY PROFITABLE IN NORTH CAROLINA.

What One Poultry Plant Has Done in Western North Carolina with 1,000 White Leghorns—How and What the Birds Were Fed to Show a Net Profit of \$1.51 per Hen.

By B. F. KAUPP, Poultry Investigator and Pathologist.

ONE poultry plant in western North Carolina has found egg production a profitable venture. A house was constructed of sufficient size to accommodate 1,000 birds (four square feet of floor space per bird) and the birds (S. C. White Leghorns) purchased at five months of age at 65 cents a head. The birds were hatched the latter part of April and the forepart of May and were not force-fed. They were purchased the first of October. Moving disturbed the early layers and the flock contracted colds by being allowed to roost in a building which had some cracks in the back wall at the roost level. This error was corrected by making the roof ends and back tight. During this month the flock produced 965 eggs. The birds were fed the following ration:

Scratch Feed.

Corn	2 parts
Wheat	2 parts
Oats	1 part

Dry Mash.

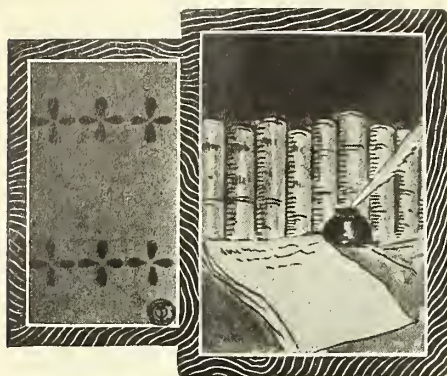
Corn meal	6 parts
Red dog flour	6 parts
Bran	3 parts
Beef scrap	5 parts
Ground alfalfa	1 part

The grain was given morning, noon and evening in litter so the birds were compelled to scratch. The total amount of grain per hen was two ounces per day. Only good sound best grade grain and other feed was used. The dry mash was placed in a dry mash hopper and kept before the birds at all times. Green feed as cabbage, collards, tender alfalfa, clover and rye was given once a day. One gallon buttermilk was given to each 100 hens per day. Great care and regularity was exercised at all times both in feeding and watering.

The hens were placed in the laying house on October 1, 1915, and were kept confined to the house at all times. The half monitor style house was used. Good sunlight at times was abundant through the open front. In the first six months, from November, 1915, to May, 1916, this 1,000 hens laid 49,992 eggs or 4,166 dozen. The feed and labor for this period cost \$806.38 or a cost of 19½ cents per dozen. This is a low producing flock so that the records are more than conservative of the results one should obtain. A yearly contract is made, with many of the Leghorn farms of the State, by sanitariums, hospitals, private families, summer and winter resorts and other for eggs the year round "next day laid." That is, the eggs are delivered either the same day or the next morning. These contract prices range from 37½ to 40 cents per dozen. In this instance at 37½ cents per dozen these hens would make a gross earning of \$1,562.25, which after paying for the labor and feed, means a net profit of \$1.51 per hen, on a yearly basis calculated on what they did the first six months which should be the poorest months for this flock.

State Poultry Work at A. & M.

A four-year course in poultry science has been adopted in addition to the short courses in poultry. The year just finished shows that during the past college year there were taught thirteen classes, with a total of 229 students and a total of 8,412 student hours. During the year previous there were but eight classes, seventy-seven students and a total of 938 student hours. This is an increase of 62 per cent in the number of classes, 245 per cent increase in students and 795 per cent increase in student hours. The new unit system house started last year is being completed and new equipment added.



EDITORIAL CORRESPONDENCE

Boost and Patronize Your Home Fair and Poultry Show.

EVERY poultry breeder, large and small, should show a string of birds at their county fair or poultry show. At these small fairs and shows new people may be interested in keeping purebred birds or improving what they have and in this manner such shows are a great help to the industry. There should be a good poultry show at every county fair in the South and with a little hard work and boosting on the part of the promoters of these fairs, a large poultry exhibit can be had which will prove to be the best drawing card for the fair, especially to the women folks who are all interested in fine chickens. Many new fanciers may be made. Boys and girls will become interested and no better or greater work can be done than getting everyone to realize the advantages of keeping purebred poultry on the farms. When the children get the purebred craze the old folks are bound to fall in line and in a few years we will see purebred birds on ninety per cent of the farms in the South, instead of the mongrels or cross-breeds which we find on the majority of them today.

Another way in which to get the boys and girls interested in the work is to encourage them to join their local boys' and girls' poultry club. These clubs are being organized and promoted all over the South by men sent here by the government. Here in Kentucky we have something like 700 boys and girls who are members of the poultry clubs, and this is bound to be a great help to the industry. In the next two or three years the government expects to have clubs organized in practically every county in fifteen other Southern States. The South should appreciate the good work the government is doing to boost the industry here and everyone should lend their hearty co-operation in boosting the work.

Show your birds at your county and State fairs; encourage your young people to breed some fine chickens and let them join in the poultry club work if you have a club in your county. By encouraging the poultry show at your county fair and the boys' and girls' poultry clubs, you can do no greater work to boost and push the industry in the South and place it to the front where it should be.

Prospects Bright for Good Fall and Winter Trade.

THE past season has been a very successful one for the poultry breeder as he has had no trouble in disposing of his surplus stock and eggs. The coming season looks very

encouraging and promises to be a great deal better than any year previous. It is true that the poultry business has been on a slump for several years, but indications point now that it will be back to normal soon or even better. I was talking to a breeder several days ago who sold thousands of baby chicks during the past season, in fact he could not fill all orders as fast as they came in and on account of this he was not able to

THE PAPER SITUATION SERIOUS.

THE paper situation at this time is in a serious state of affairs and it is liable to grow worse in the next few months. The only way we can account for this is the shortage of materials used in manufacturing paper which is caused by the war. It is impossible to get a contract for paper as the mills and dealers will not make any promises regarding prices or deliveries. The chances are that the price will go a great deal higher unless the war ends at an early date.

For the quality of paper on which the *Industrious Hen* is printed now costs us about three times what it did three months ago. We may be forced to use cheap manila stock to print the *Hen* on before many months, or possibly not be able to get paper at any price.

This situation is working a great hardship on every publisher in the United States, and we ask the co-operation of our advertisers and subscribers. We ask our advertisers to pay their bills promptly each month and use as large space as possible. Try to get your friends to advertise and subscribe to the *Industrious Hen*. Such support and co-operation is bound to help up both. The *Hen* has been loyal to the Southern breeder for fifteen years and we hope they will stand by her in this serious situation.

hatch as many youngsters for his own use as he desired. He is forced to install another mammoth incubator for the coming season in order to take care of his growing business. We hear reports like this every day and this is the principal reason that we know the coming year will be a good one for any breeder who will go after business in the right way.

Another one of our advertisers was in the office the other day telling us of his good business during the past year. He was not able to fill all his egg orders from Indian Runner ducks and was compelled to turn down a lot of orders. He is planning to double the size of his plant by next season. Hundreds of other breeders are doing the same thing and are planning to take care of the increasing business that is bound to come their way during the fall and winter months. The show season will open up in the next thirty days, beginning with the county fairs, and there will be a great demand for show birds. The past season was good from a business standpoint for the poultryman, but the coming season promises to be a great deal better. Start your advertising campaign early and be prepared to get your share of the business which is in the South if you will only go after it.

Egg Laying Contest in Kentucky.

THE poultrymen should remember that an international egg laying contest will be operated by the Kentucky Agricultural Experiment Station at Lexington. The contest will start November 1 and continue for a year. Five pullets, with an extra pullet, will constitute a pen. The females must be pullets and must have been hatched between January 1 and June 1, 1916. The houses will be erected this summer and the pens with wire fences seven feet high will embrace a ground space of forty by sixty feet for each pen of birds.

The experiment station has already received forty applications for reservations from breeders of poultry scattered from Maine to California. The applications have been especially numerous from people who live in Georgia, Mississippi, Louisiana and Tennessee. From ten to fifteen varieties will be given space in the pens. Applications from breeders of White Leghorns have been very numerous and the station could fill all of the fifty pens with White Leghorns if their applications were accepted. It will be necessary, however, to distribute the pens among the leading breeds so that from three to five pens of the leading varieties will be found in the contest.

The published rules and regulations will be issued in bulletin form within a week and will then be mailed to parties who have written for the rules and to poultrymen who write for copies within the next few weeks. Entries close August 1, but it is probable that all of the pens will be filled long before that time. Forty applications have already been made.



Under this heading "Pick Ups Here and There," we will give our readers each month clippings from our exchanges that we think will interest them.

How to Make Your Advertising Profitable.

The temptation will come to you after the season is over and orders fall off to withdraw your advertisement. It seems like throwing good money away to advertise when nobody is doing business, but this temptation must be resisted if you are in the poultry business to stay. Let us look at the big advertisers again. Do they stop advertising in the summer months? Not at all. Their advertisements appear winter and summer, year in, year out. Don't you suppose these men know what they are about? It gives the public confidence in a man to see his name in the papers month after month, year after year. There is a cumulative effect in advertising. The man who sees your announcement in the papers today may send to you for stock or eggs six months or a year hence. In the dull season there are fewer advertisements in the papers and you stand a better chance of being read.

Change your advertisement occasionally to suit the season of the year. In the summer tell the people how many chicks you have grown on the farm which will be ready for them in the fall, and in the fall, tell them that you have some fine stock for the fall and winter shows.—Poultry Breeder.

Try This for Limberneck.

As soon as the case is discovered and known to be limberneck give a tablespoonful of turpentine and olive oil, equal parts. Follow this in about an hour with a tablespoonful of whiskey in which is contained about 1-300 of a grain of strychnine. This will render the bird unconscious, but about every hour the beak should be opened and held upright and a spoonful of sweet milk poured down the bird's throat. This should be continued until the effect of the whiskey wears off and the bird is able to get about as usual. The party giving this remedy says it has cured every bird upon which it has been tried, where the chicken was not too far gone to swallow when the treatment was commenced.

Here is another simple remedy for limberneck. Place the chick in a coop and give one teaspoonful Epsom salts in the morning and one at night. Limberneck is sometimes caused by chicks eating decomposed meat. Olive oil can be substituted for salts, with half a dozen drops of turpentine in it.—Poultry Breeder.

Get Rid of the Cockerels.

If one is to be successful in rearing the pullets to maturity they must be

given every encouragement to make the best growth. If they are allowed with cockerels the latter will get more than their share of the food at the expense of the pullets. The rearer must therefore separate the sexes directly they can be told, so that the pullets can have sufficient food and ground space and exercise in comfort.

There will always be several surplus cockerels on the farm, and it is wasteful to keep them on too long. The food bill must be studied in these days and the sooner the fowls can be fattened and marketed the better. Any intended eventually for breeding purposes must, of course, be kept on, but the surplus must be marketed at a profit early for table purposes. As soon as the birds are plump they should be sold.—Poultry Record.

Poultryman's Text Book.

WE are anxious for every reader of the *Industrious Hen* to have a copy of the "Poultryman's Text Book," which is published by the O. B. Andrews Company, of Chattanooga, Tenn. It contains a lot of valuable information and should be in the hands of every poultry raiser, both large and small. This book will be sent free to anyone who will mention this paper when writing.

O. B. Andrews, president of the company, is a poultryman of national reputation, having bred Barred Rocks for years and has shown and won on them at the largest shows in this country. The line of poultry supplies manufactured by the O. B. Andrews Company are fully described in this text book and we hope all of our readers will write for a copy right now and mention the *Industrious Hen*.

Geese Are Profitable on the Farm.

Geese come as near being all profit as any stock raised on the farm. They make their living largely on grass and are practically self-supporting. They do not require a large pasture field, but one that produces a good yield. Add a little grain occasionally and you will have no trouble raising geese. They only require water for drinking purposes the same as a hen. They are louse and mite-proof, are seldom subject to disease and hawks seldom prey upon the young goslings. Some complain that a goose is a nuisance; so are hogs if not confined to their pasture. Large numbers of geese should be raised every year. Try it and watch the net profit.

George Ewald Dead.

Nearly every month recently we have published notice of the death of some well-known poultryman. George Ewald, of Cincinnati, is the latest to join the great majority. He suffered a stroke of paralysis recently and died quite suddenly. Mr. Ewald was one of the best known pigeon men in the country, his most recent engagement being superintendent of the pigeon department at the Panama-Pacific exhibition. He was a general licensed poultry judge and had many engagements. He was one of the judges at Dayton the past winter, and was as hale and hearty as ever at that time.—Poultry Record.

Don't be foolish and not run advertising in the summer months because these are the best months in the year for making sales and for laying a foundation for early fall and winter business.

Fogg's S. C. White Leghorns

Bred to lay. Get our special prices on breeders and cockerels.

N. V. FOGG, Box 4250 Mt. Sterling, Ky.

THE "OK" POULTRY JOURNAL

Published on the 15th of each month. Subscription, one year, 25 cents; three years, 50 cents. Advertising rates on request. 24 to 48 pages monthly. Sample copy free.

THE "OK" POULTRY JOURNAL.

Box I Mounds, Okla.

ROSE COMB REDS

Eggs half price for balance of season. A few high class breeders cheap to make room. Get our prices before you buy. No sale unless you are satisfied.

MRS. H. R. NUSZ & SON

Box I. H.

Cecilian, Ky.

SPAIN'S BARRED PLYMOUTH ROCKS AND MAMMOTH BRONZE TURKEYS

The winners of the South, noted for their great production of eggs also. Eggs \$2 to \$5 per 15. M. B. Turkey eggs from flock headed by 35-pound yearling tom, which won fifth prize at Madison Square Garden in January. Eggs 50 cents apiece. Write for mating list.

E. C. SPAIN,

Church Road, Virginia

REGAL SUMMER SALE

In order to make room for my large flock of rapidly growing chicks, I am offering for sale 600 selected breeders at remarkably low prices. Send for free sale list giving description and prices, also 20-page catalogue. Eggs from prize matings \$2.50 per 15; \$4.50 per 30; \$6.00 per 45; \$12.00 per 100.

REGAL COCKERELS AND PULLETS

This season I have over 2000 early chicks—the best I ever owned. If you want to make a winning in your State Fair, let me quote you prices.

JOHN S. MARTIN, BOX 911 PORT DOVER, CANADA

Just say you saw it in THE INDUSTRIOUS HEN.



SOUTHEASTERN NOTES and COMMENTS

By D. R. McBRAYER, Mooresboro, N. C.

THE hatching season is now over and it's up to us to raise the chicks. We should not only see that they live until matured, but we should so care for them that they will mature in the shortest possible time, and into strong healthy birds. For this is the only kind that will pay a profit. Many breeders half-feed their growing chicks, compel them to roost in close poorly ventilated houses or confine them in bare runs until when they are grown they are not worth having as a gift. The pullet that matures quickly and is always hungry, yet well-fed, that is active and vigorous, is the pullet that can be depended upon to lay eggs next winter when the snow and sleet holds full sway over the earth. It may take a little more time and expense to raise the better kind but don't you think it pays in the end? We do.

The weeding out process should be well under way by now. The earlier hatched broods are sufficiently developed that we can determine the ones that are going to make the real worth while birds when matured. These should have all our attention, feed and room. Those off-colored, weakly, backward ones should be disposed of at once. It's no use wasting feed on them any longer, so let the "hen" man have them on his next round. The more promising chicks will do better for the extra room and you will get the cash for the poor ones now. Cull often and closely. It's an important part of the work, so don't neglect it.

Be careful with the hens now that the weather is very warm. Do not allow them to become overfat as it is not only dangerous but very much against heavy egg yields. Feed very little corn, substituting oats, wheat and green feed. Give plenty of cool fresh water and furnish exercise. If you are going to keep them over for breeders another season, then do not force them for eggs now. If you are not going to keep them through another year, then sell them off before they go into the moult. And, frankly, we do not believe that it will pay any man who is in the business for eggs only to keep any hen after her second year. Of course there are exceptions to this rule, yet very few hens pay a profit after this period. So it is best to replace them with pullets.

What about that new laying house that you are going to need this fall? Have you made your plans, and have you the material ready? During the summer is a very good time to build the new poultry house as this gives ample time for it to dry out, and will be in fine shape for the pullets when winter begins to close in. And, too, there is much satisfaction in knowing that you have your winter quarters

ready when you need them. Of course you will build the "open-front" type, with feed room at one end. And don't make the mistake of building too small a house. It pays to have plenty of room for that active, vigorous pullet that we expect to lay lots of high priced eggs, when the winds are howling and the snow falling. Get busy now and when winter closes in on you, you will not have to worry over the housing problem.

The egg market has held up unusually well this spring and summer. prices on eggs in our locality are very much above the prices on the same date of last year and we consider this a healthy sign for the poultry business. Eggs have never brought what they are really worth, and we hope to see the day when the price will never go under twenty-five cents in any locality at any time of the year. The price of poultry meat has also been very good and will likely stay so since the scarcity of beef is growing worse every year. We are glad to see poultry products "looking up" and the farmers and poultrymen will profit by these better prices.

We have often remarked that we believed wheat to be the greatest grain on the market for feeding poultry. The wheat harvesting season is now on in the South. The writer has for years made it a point to buy our supply of wheat for the next year at this time, not alone because of the fact that we can buy it now at 20 per cent lower prices than a few months hence, but also because of the fact that it is very often almost impossible to buy it from the farmers in the spring of the year. There is great satisfaction for us to know that our year's supply

of wheat is in the bins, and that no matter how high the price may go, we are supplied and that at a modest price. The saving alone is sufficient evidence in favor of buying now for it is quite a saving and one that we can ill afford to overlook.

The poultry raisers of the great Southeast are fast learning that it is not so much what we produce and how much we produce as what we are able to get for it that counts. Consequently they are marketing their poultry and eggs to much better advantage. In many instances they are contracting for a whole year at a fixed price. Hotels, clubs, high-class grocerymen and private families are anxious to pay a very satisfactory price for a good product of uniform color, size and quality. There's where the profit lies. Are you getting it? If not, why not? Find out for yourself. It's your business.

There will be a great demand for high class utility pullets this fall. Eggs are going to be very high and pullets scarce, so the man that has a few to spare need not worry that he won't be able to get rid of them at a good price. Many poultrymen who are in the business for eggs are already contracting for large numbers of pullets, so sure are they that this winter will see unusually high prices paid for eggs. We have a nice bunch of pullets coming on and don't care to part with them either. If the other fellow can make money with them, why not we? We have in former years and believe this winter will be even better in many respects.

Next month is the annual meeting of the American Poultry Association. Every member who possibly can should make his arrangements to attend. It will be an important meeting and we should all be there to help boost the "million dollar industry."

5000 WHITE LEGHORNS

bred for eggs. Lowest prices on hens, 8-week old pullets and breeding males. Free catalog gives prices and tells all about the Ferris strain. Post card brings it.
GEO. B. FERRIS, 922 Union, Grand Rapids, Mich.

BUFF ORPINGTONS S. C. RHODE ISLAND REDS BARRED PLYMOUTH ROCKS

Our young stock is coming along fine, and we will have a nice lot for sale in the fall.

S. M. HARBISON,

DANVILLE,

KENTUCKY

Cyphers Co's Poultry Supplies

Incubators
Brooders
Hovers
Portable Poultry Houses
Poultry Foods
Meat Scrap
Complete Grit
Crushed Oyster Shell
Poultry Remedies
Lice Powder
Lice Paint
Napcreol (Disinfectant)
Roup Remedy
Egg Preservative
Full-Nest Egg Food
Market Egg Cases
Paper Egg Boxes
Shipping Coops
Leg Bands
Caponizing Instruments

THE "CYPHERS WAY" of raising poultry has helped thousands of earnest men and women during the past 20 years to *make more money* with their poultry. Are you, Reader, increasing your profits by using Cyphers Company Poultry Appliances and Supplies—the *latest*, the most *practical*, the most *economical* equipment for your poultry yard? Accept our invitation to let us mail you our

BIG FREE CATALOGUE—164 Pages

Your hens ought to *lay right along through the summer* without a let-up, and they will *if you feed them right*. Feed Cyphers Scratching Food, Laying Mash and Meat Scrap, and see how quickly your egg yield will increase. Get our FREE 32-page book "FOODS AND FEEDING," and follow the "Cyphers Way." Write us TODAY.

CYPHERS INCUBATOR CO., Dept. 13, BUFFALO, N. Y.

NEW YORK, N. Y.

CHICAGO, ILL.

KANSAS CITY, MO.



TURKEY & WATER FOWL

DEPARTMENT

This department is conducted by Mrs. J. C. Shofner, Mulberry, Tenn., and any questions that you wish to ask will be answered through this department, if addressed to Mrs. Shofner. If a personal reply is wanted, enclose a stamped envelope.

Shooting the Red and Moulting.

THE time for "shooting the red," as it is termed, is when turkeys are about six weeks or two months old, and I always think then they are no longer baby turkeys, as I feel like they are almost safe from the little diseases so prevalent with them prior to that period in their lives if they pass through "shooting the red" in a healthy condition they will very likely moult easily and put on their permanent feathers in good color.

Possibly someone does not know what is meant by "shooting the red" and has not noticed the little red beads growing about the head and neck when they are about six weeks or two months old. It is usually more perceptible on toms than hens. These little beads while young make the large carbuncles on throat and wattles when grown.

Feather growing is hard on any kind of fowl, old or young, and during moulting season old turkeys that have laid all the season should be fed some to help make the next crop of new feathers, and if they are for early show purposes the old feathers should be pulled out in July and August, if picked out a few at the time they will put on new feathers in a few weeks.

Turkey hens that carry young ones seem to do much better than laying hens, putting on their new coats earlier, as a hen cannot make eggs and feathers both at once. I like for my hens that I mean to show in the fall to carry turkeys all through the summer season and fed with the young. I try to put young turkeys with all my hens sometime during the season to keep them from laying late in the fall, and preventing feather making in time for cold weather. I have had hens to lay from March until October if they were not allowed to set and carry young. I sometimes put young chickens with them after setting two or three weeks. They get so thin in flesh if allowed to lay all the season that moulting and making feathers many times kills them if not given special care and food even in warm weather, but if allowed to lay all the season they are liable to be naked when frost comes.

Feeding Ducks.

The feed of the duck is both vegetable and animal in nature. In the wild state it gathers its food from brooks, rivers and marshes, consisting of wild grass, plants, small fish and water insects. When the birds are raised in confinement, the diet, in a measure, must be imitated to get

the most satisfactory results. The duck has no crop like fowls, the food passing directly from the throat to the gizzard, and as a consequence the feed must be in a soft, mushy state.

Too much hard food, such as scorn and wheat does not agree with ducks and they cannot thrive on it. Soft food is their natural food, together with grasses and vegetables and animal food. Beef scraps is the best substitute for animal food, while clover, rye, alfalfa or rape makes an excellent green food.

The feeding stuffs should be mixed in a trough sufficiently large to hold the quantity without wasting over the edges. First, mix the corn meal and wheat bran together while dry. After these have been mixed thoroughly it should be moistened with water and mixed to a dry crumbly state. It should not be too wet or sloppy, as it is then not so good for the fowls, neither can it be handled and fed properly. In a second trough place the green food, such as cut clover, rye, wheat or oats and dampen with water. Then mix the allowance of low-grade flour or middlings with it. Thoroughly mix so that the flour or middlings will completely cover the green stuff. After this has been done, mix the flour and green stuff with corn meal and wheat bran and the allowance of beef scraps and sand. When vegetables are used, they should be well cooked before mixing in the ration. Grit in some form is essential to ducks and should be kept before them at all times. Many overlook this fact and do not seem to understand that it is of as much value to them as it is to

chickens. One of the best grits obtainable is cinder from stone coal, which is liked better by ducks than any kind of grit you can give them.

Regal White Wyandotte Special Sale.

The special sale list of Regal White Wyandottes should be in the hands of every White Wyandotte breeder. In this list are many birds offered at a sacrifice to make room for growing stock which will be winners at some of the winter shows. It is a splendid opportunity to get bargains. Write Mr. John S. Martin, Box 911, Port Dover, Canada, a postal with request for this list.



Mapleside "Bred-to-Lay" Barred Plymouth Rocks
 Acknowledge no superiors as layers. Eggs for hatching 10c each; \$4 per 50, \$7.50 per 100. Circular of facts free.
290 EGGS IN ONE YEAR
 O. F. MITTENDORFF,
 Lincoln, Box M III

EGGS FOR HATCHING

Genuine line-bred Single Comb Buff Orpingtons. 8 to 10 lbs. in 10 to 12 months. \$1.50 per fifteen; \$7.00 per hundred.

LUCILE POULTRY YARDS

Rankin Eastin, Owner

Box 395,

Madisonville, Kentucky

MAMMOTH BRONZE TURKEY EGGS FOR SALE



Do you want stock from the largest and finest in the South, from prize winners at Madison Square Garden, World's Fair, Nashville and many other great shows? Two flocks, unrelated, to select from. Also Barred Rocks, stock and eggs. Write at once to

MRS. J. C. SHOFNER
 Route 1
 Mulberry, Tenn

EGGS FROM IMPERIAL BARRED PLYMOUTH ROCKS

at \$2.00 per setting of 15. Two settings for \$3.50. Also have one dozen Blue Andalusians. Will close out at one dollar each.

LESLIE V. JACOBS,

R. No. 1

Wilmore, Kentucky

14-VARIETIES-14

Reduced Prices for May and June

We are offering eggs from the following grand matings at greatly reduced prices. All pens are headed by first prize cocks and cockerels, mated to trap-nested heavy laying females that have won in all the larger shows. Out of a possible 240, we won 139 firsts, 69 seconds and 26 thirds, besides many cup specials and A. P. A. Medals and Diplomas. Eggs from Single Comb White Leghorns, Single Comb Buff Leghorns, Blue Andalusians, White Plymouth Rocks, Silver Pencilled Plymouth Rocks, Partridge Plymouth Rocks, Buff Plymouth Rocks, Black Orpingtons, Light Brahmas, Silver Spangled Hamburgs, Lakenvelders, White Minorcas, Dark Cornish, at \$1.50 per 15 eggs or \$2.75 per 30 eggs. White Muscovy Ducks at \$1.50 per 12 eggs. We guarantee 12 live chicks from every setting of 15 eggs or will replace free of charge. Catalogue and mating list free. Can furnish some nice pens and trios of Single Comb White and Single Comb Buff Leghorns at \$4.50 per trio, \$7.50 per pen of five. Book your orders now for young stock and get the pick. Can furnish winners for any show. Write us your wants. All eggs ordered direct from this ad will be delivered free.

LOMBARDY HEIGHTS POULTRY FARM

J. O. Reid, Prop.

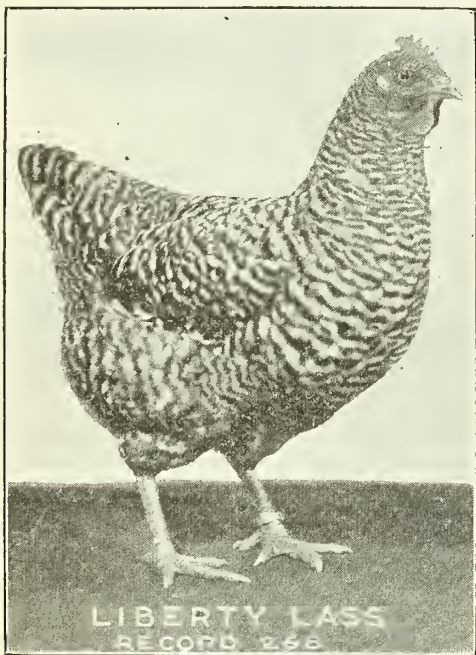
Stanford, Ky.

Just say you saw it in THE INDUSTRIOUS HEN.

Fancy Branch of the Poultry Business.

In the consideration of the commercial end of the poultry business as it applies to eggs and poultry for human consumption, do not let us overlook another branch of the industry, which offers exceptional opportunities for supplying the great demand existing and growing, for high class stock and eggs for the "fancy trade."

This business ranks high in the United States. It is in its very infancy here in Florida. There is little competition to be met, and the pioneer in this field will reap a golden harvest. Stick to one breed. Start with good stock as your foundation. The day-old chick business has assumed proportions that make it especially attractive to breeders. The demand that has sprung up in this State for day-old chicks has taxed and overtaxed the capacity of some of the biggest breeders to supply. Here is a fertile field for exploitation. Every advantage is with you; first of all, the mildness of the climate, which permits of successful transportation without chilling. I have letters from Northern



"Liberty Lass."

Barred Plymouth Rock female with a record of 268 eggs in 365 days. Bred and owned by O. F. Mittendorf, Lincoln, Ill. Twenty of this hen's daughters laid 4,064 eggs in their first years' laying, averaging 203 eggs each. Ten granddaughters so far have laid 2,123 eggs in one year, averaging 212 eggs each. This is a record hard to beat and one that should open the eyes of everyone interested in a strain of birds that are known to be bred for heavy laying purposes.

men who have settled here who write that, notwithstanding the fact that they increased their capacities with the expectation of taking care of a great demand, they were unable to fill half the orders received, and glad to refund the money.

Compare this condition with those existing in your present location; ours offering you a virgin field; your own honeycombed with competition. Ours furnishing you a demand that cannot be supplied at home; yours furnishing a supply of which you have not found a profitable source of disposition. Certainly our section offers the greater inducement to the progressive settler who is willing to take his coat off and who is willing to put in even a fraction of the time that would be required at home to accomplish the same result.

The Uncrowned Queen of the Fowl World.

(By Chas. Fraser, Secretary Penciled Runner Club of America.)

THE poultry press as well as the daily and weekly papers of this country have been devoting a great deal of space to the wonderful performances of the 300-egg hens, of which there are very few. They rejoice that the time has arrived when we have the 300-egg hen with us but they do not say a word about the 300-egg Runner duck which has been with us for at least a quarter of a century.

Nearly thirty years ago, Mr. Richardson, of England started his strain of Runners, the penciled variety, from a duck which laid 300 eggs in 12 months, and this strain has kept up its record all these years as egg producers. One lady writes from England, that the flock of ducks raised from this strain of Runners, averaged 283 eggs for the year.

It seems that the professional chicken men of America try to discount the great laying qualities of the pure-bred penciled Runners, and to make it appear as though there was a question about the facts being true. The writer took a publisher of one of the largest farm journals to task, because he was publishing a lot of articles from inexperienced people who were breeding a lot of mongrel ducks which they had the nerve to call Runners, trying to show that the Runners were poor layers, and their eggs were of very little value.

He took pains not to publish the letter I wrote him, and I referred him to records of the Runners, made in competition at regular egg-laying contests, under management of college officials, this has been several months ago, but I have heard nothing from him, nor have I heard from him publishing these records to correct the bad impression he was trying to make against these wonderful birds.

I will make this statement to the public, and no one can dispute it, and that is: there never will be a hen bred that will ever equal the Runner duck as an egg producer as long as the world stands, this is not hard to prove, as the Runner duck egg is nearly double the size and weight of a hen egg, so that a hen would have to lay 660 eggs per year to equal the egg production of the Runner duck.

As to the quality of the Runner duck egg, there can be no question, they are of the finest flavor, and the richest in protein of any egg yet produced, the people of Europe look on the duck egg as a luxury, while the American people in their ignorance of their true value, go on using inferior eggs. Let us hope that the American people will soon wake up to the value of Runner duck eggs as

a food, also of the bird itself as one of the choicest fowl, of finest flavor ever cooked.

Don't say that you have tried out the Runners and that they have not come up to your expectations, very few people in this country have ever bred purebred Runners, the Light Fawn Runners of America are not purebred Runners by any means, they were manufactured in America some 12 years ago, by crossing the penciled Runners with some other variety of ducks. If you have been breeding the Light Fawn variety you have not been breeding the pure Runners, as the native Runners have penciling in all their colored feathers, that is the ducks have. I would advise all breeders of the Runners to advertise their stock more in the poultry journals, the people want the stock, let them know you have it for sale. I am getting inquiries from people all over the country, wanting purebred Runners and don't know who breeds them, so I say advertise your stock and eggs for sale.

Marlton, New Jersey.

If your subscription has expired, don't fail to renew for we do not want you to miss a single copy.



For Greatest Satisfaction Use
DOUBLE SERVICE
Automobile Tires
Guaranteed 7,000 Miles Service

Absolutely Punctureproof

Double Service Tires are made double the thickness of the best standard make tires.

This 100% greater wearing surface naturally gives that much more mileage and service. The average of 12 miles of tough

fabric and one inch surface tread rubber makes these tires absolutely punctureproof.

These tires excel all others for use in the country over rough and rugged roads as well as on hard pavements. They are as easy riding and resilient as any other pneumatic tire—the air space and pressure being the same.

They are the most economical and "care free" tires made and are used where tires must be depended on and tire troubles cannot be tolerated. Many Double Service style tires are in use in the U. S. government and European War service.

Our output is limited to a certain amount, but for a short time we offer the following reduced special prices as an introductory offer—

PRICES

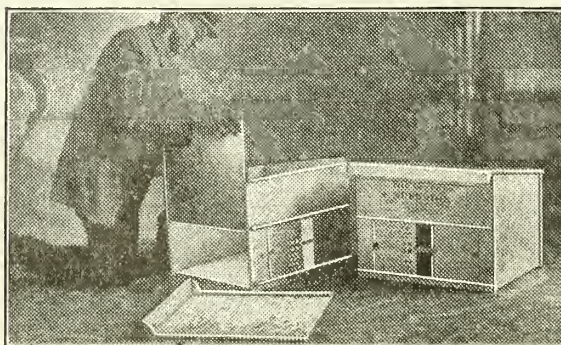
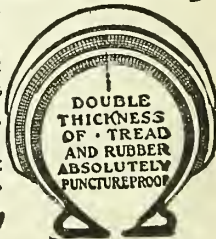
Tires Tubes		Tires Tubes	
30x3 in.	\$ 8.60 \$2.30	36x4 in.	\$17.45 \$4.65
30x3½ in.	10.85 3.10	36x4½ in.	21.20 5.60
32x3½ in.	12.75 3.20	36x4¾ in.	22.60 5.75
33x4 in.	15.75 4.20	37x4½ in.	23.60 6.20
34x4 in.	16.70 4.35	37x5 in.	26.30 6.60

All other sizes not included in above list also furnished. Non-skids at 10% additional.

Terms: Payment with order at above special prices, a 10% discount allowed on orders for two or more tires. All personal checks must be certified.

Try these tires now and be convinced of their very high qualities. Sold direct to the consumer only. Descriptive folder upon request. Write for it.

Double Service Tire & Rubber Co., Akron, O.
Dept. I. H.



THE DELPHOS

Superior Brooder Coop

Made of galvanized material. Rat-proof—sanitary—perfectly ventilated. Every part slides into place, fits snug and no tools but the two hands are required to set it up. Collapsible and easily stored when not in use. Special prices to agents. We can use a good agent in every locality. Write for particulars.

THE DELPHOS MFG. CO.

Dept. H.

Delphos, Ohio



FOR SHOW BIRDS AND EGGS USE
Producer CHICK DEVELOPING SCRATCH MASH **Feed**
 EDINGER & COMPANY, Incorporated LOUISVILLE, KY.



Single Comb Brown Leghorns!

Winners at Louisville, Lexington, Ky., Knoxville, Tenn., New Albany, Ind., Hamilton, Ohio, Indianapolis, Ind., Augusta, Ga. Cockerels at \$3 and \$5 each; Pullets at \$2 to \$5 each. Exhibition stock special prices.

BONNYCASTLE POULTRY YARDS

LOUISVILLE, KY.

Six Years with S. C. Rhode Island Reds.

Six years ago I started to breed and raise S. C. R. I. Reds for egg production. Rhode Island being a brown shell egg market, and noticing the success others were having with this breed as layers, and for dressed poultry. I changed from a mixture of various kinds of hens. I then had two pure-bred Rhode Island Reds. I have had remarkably good success with my Reds in always being able to have my pullets start to laying early in the fall, and have a good number of eggs all through the high price season. I have had from a flock of 180 Rhode Island Red hens, from 55 to 60 per cent egg production during the months of December and January, while my neighbors with White Leghorns, Blue Andalusians and other breeds, scarcely got any eggs at all. Rhode Island Reds seem to be very little affected by the cold weather. I have gathered as many or more eggs on days when the thermometer stood close to zero as I have on milder days. The last four years I have been breeding these Reds up to high production by the purchasing of high grade cockerels and hatching eggs from breeders with flocks of high producing quality, so that by this process, with the aid of trap nesting and selecting the best layers from year to year to breed from, I have gotten very many high grade layers in my flocks, and have been able to sell my cockerels from \$2 up, each, as well as hatching eggs and some day-old chicks to my neighbors solely from the good name these hens have built up for themselves as good layers in the neighborhood.

This season, I have commenced to use small space in poultry papers, advertising cockerels and hatching eggs for sale, and I am meeting with considerable success, and hope to be able to give to all my patrons that I am receiving by advertising, the same satisfaction which I have been able to give here with my neighbors in Northern Rhode Island.

Chepachet, R. I.

J. M. BRITTON.

Bluegrass Poultry Show.

A large show of poultry will be held at the Bluegrass Fair, Lexington, August 1 to 11. Liberal premiums will be offered and an entry fee of 25 cents will be charged. The classes are open as no certain number is required to fill a class. Mr. H. A. Pickett will judge and Mr. J. C. Neff is superintendent. Catalogs can be secured from Secretary John W. Bain, Lexington, Ky.

J. J. HOOPER.

Room in the Poultry House.

The majority of farmers put too many fowls together in one poultry house. A house ten by ten feet square should not contain over a dozen large fowls or fifteen small ones. For one hundred hens a house sixteen by sixty feet and divided into two or three apartments will answer. If two apartments are used there will be fifty in a flock, the space being sixteen by thirty feet for fifty fowls. An excellent plan is a house sixteen by thirty-two feet, divided into two apartments, sixteen by sixteen feet each, with twenty-five hens in each apartment. The space gives ample room for scratching under shelter in winter. An extra shed for scratching will also be appreciated by the hens. It can be built at a small cost and will afford ample room. In summer the fowls can roost under the sheds. The yards should be about ten times the space of the houses, but the larger the better, and the deeper the houses and sheds—that is, depth to the rear, on the ground—the more comfortable the fowls. Each house can have a double yard, so as to change the fowls from one yard to the other. A yard in front and one in the rear is an excellent plan. The best way to estimate how many hens to keep in a building is to multiply the width by the length and divide by ten. For instance, if a house is nine by sixteen feet, multiply the two figures together, making one hundred and forty-four square feet. Divide this by ten, and there is a fraction over fourteen. Do not put more than fifteen hens in such a house.—Poultry Record.

BUFF ORPINGTONS

Eggs and stock any time. Write for prices and show record.

BLOOM KENDALL,

Shelby,

Box B

North Carolina

PILLING *Easy to use*
CAPON TOOLS

ROOSTER 10 lbs
5 lbs

MORE THAN DOUBLE YOUR COCKEREL PROFITS
 Capons grow twice as large on the same amount of feed and bring twice the price per pound.
 Complete set of reliable, practical, easy-to-use Capon Tools—full, illustrated instructions included. Parcel Post prepaid.
\$2.50
 Capons bring 30c per lb.
 Roosters 15c
G. P. PILLING & SON CO., Phila., Pa.
 Send for FREE Capon Book

The Edwards & Loomis Co., Chicago, Ill., manufacturers of the well known "Red Comb" line of poultry foods, recently consolidated with the Kasota Elevator Co., and the Hales Elevator Co., making what is believed to be the largest concern in the world manufacturing poultry feed. Hereafter the business of these firms will be carried on under the name of the Hales & Edwards Co.

Begin to cull the early broods now. You cannot afford to feed off-colored backward chicks. They will never amount to anything, so we had better give the room to the more promising ones. Let the "hen man" have them on his next round while the price is high. You will never regret it.

JUST A DAB
 under the wings and around the vent and
Conkey's Lice Fix

Kills the hen of the body lice that suck away your profits. If you prefer dusting, use **Conkey's Lice Powder**, 25c, 50c.
Conkey's Lice Liquid sprayed around the poultry house destroys mites, worst pests of all. 35c, 60c.
Conkey's Poultry Tonic mixed in the feed makes heavy layers and good bodied market birds. 25c, 50c.
 Spray **Conkey's Nox-i-cide** about the poultry houses and runs. Destroys germs and prevents disease. A hundred uses about the home as a disinfectant and cleanser too. 35c, 60c.
 Send 4c for **Conkey's Poultry Book**.
THE G. E. CONKEY CO.
 1011 Conkey Building, CLEVELAND, OHIO

S. C RHODE ISLAND REDS AND INDIAN RUNNER DUCKS

Eggs for hatching from our best birds at \$1.50 per 15. Duck eggs \$1 per 13. Write us your wants. We can please you. Address
W. A. RAMSEY, R. No. 11, Buechel, Ky.

Everybody Reads Everybodys

A Poultry Magazine of unusual interest.

One Year 50 cents
 Three Years \$1.00

Agents wanted; write for sample copy.

EVERYBODYS POULTRY MAGAZINE

Box 286 W.

Hanover, Pa.

Label Your Preserves

550 labels, 24 varieties of fruit, large letters, gummed, easy to place on jar or can. Size each label 1/2 x 3-2/3 inches. Mailed, postpaid, for 25 cents.

THE ITEM PUB. CO.

BOX H

SELLERSVILLE, PA.



This department is conducted by the Editor, 901-902 Great Southern Building, Louisville, Ky. If your birds are sick, write him. He will tell you through this department where your trouble lies. If you want a personal reply, send stamped envelope.

Is the 200-Egg Hen Profitable?

Editor Industrious Hen,
Louisville, Ky.

Dear Sir: What do you consider a good egg yield for a hen? If you could get an average of 200 eggs per hen and have a flock of one thousand layers, could you realize any great profit? I am thinking of going into the commercial egg business and being located where I am, do you think it would be practicable for me to ship my fresh eggs to the Eastern markets? Please answer this through your July issue. I think a great deal of the Industrious Hen and am going to get my neighbors to subscribe for it, as it will help them a great deal in their poultry work. Very truly yours, W. B. H.
Charlottesville, Va.

ANSWER—If you can get a flock of hens to give you a yearly average of 200 eggs per hen you can realize a handsome profit from your flock and sell your eggs for market purposes only. It is a splendid idea to ship your eggs East as eggs with a uniform color and shape will bring the top price on the Eastern market. In starting an egg farm I would advise you to get the Single Comb White Leghorn. Get the best laying strain you can find. By making a right start you will be more sure of success. A flock of one thousand hens laying on an average 200 eggs per hen in 365 days should net you a clear profit of \$1.50 to \$2.50 per hen each year.

Chickenpox and Canker.

Editor Industrious Hen,
Louisville, Ky.

Dear Sir: Will you kindly tell me what is wrong with my chickens and a remedy? I have several that stand around all drawn up. They eat as well as the other chickens, but it seems as if they can't swallow. Sometimes they will stretch their necks several times before they can swallow. One has a sore comb. They step very high. Charlotte, N. C. J. B. G.

ANSWER—It seems from the symptoms you give that your chickens are suffering from chickenpox and canker as these diseases go together. The sore on the comb and the difficulty in swallowing are good symptoms of these two troubles. For the sore comb, I would suggest that you paint the infected parts with some good antiseptic such as Zenolcum, and procure a box of Conkey's, Pratt's or Nox-Pox chickenpox remedy, and give according to directions. Isolate all the sick birds and use a strong disinfectant in all the houses and yards to prevent the spreading of this contagious disease. Chickenpox and canker are both very contagious and if let run its course will go through the entire flock.

Lice.

Editor Industrious Hen,
Louisville, Ky.

Dear Sir: I have some Black Langshan hens that are lousy and I would

like for you to please tell me how to get rid of the lice. I want the lice on them killed before they start through the moult. I have used some lice powder on them without any great results. The powder seems too weak to kill the lice. Yours truly, H. G. W.
Paris, Tenn.

ANSWER—The best way to kill lice on birds is to secure a good reliable lice powder and dust well into their feathers. Possibly the reason the powder you used did not give results was because you did not use it often enough. Birds should be dusted at least every two weeks for two or three months and you should be careful to see that the powder gets down well into their feathers. Any of the lice powders advertised in the columns of the Industrious Hen will give you good results if used according to directions. Use several applications at intervals of about two weeks and by doing this you will kill all the lice that are hatched out after the previous dusting.

Depluming Mite.

Editor Industrious Hen,
Louisville, Ky.

Dear Sir: I have some small chicks about eight weeks old that are perfectly bare and feathers will not grow on them. Is this a disease? What can I do for them? Please answer in your next issue as I want to find out what the trouble is as soon as possible. My neighbors have birds with the same trouble. Yours truly, W. H. W.
Memphis, Tenn.

ANSWER—Your young birds have what is known as depluming mite and they can be easily killed by applying an ointment of half sulphur and half lard or vaseline, well mixed. Apply this at night so they will be perfectly dry by morning. In real bad cases several applications may have to be used. Use the ointment on the bare places.

Missouri State Show Goes to St. Joseph.

The twenty-fourth annual show of the Missouri State Poultry Association will be held in the Auditorium in St. Joseph, Mo., December 5-9, 1916. The judges already secured are Thos. W. Southard, Kansas City, Mo.; D. E. Hale, Chicago, Ill.; Russell F. Palmer, Kearney, Neb.; Adam Thompson, Amity, Mo. Arrangements have been made with two of the judges to be in attendance from the time the show opens until it closes, affording an opportunity for all

exhibitors and visitors to consult the judges relative to any subject affecting Standard-bred poultry. This particular feature should increase interest in the show.

The Missouri State Poultry Experiment Station will have their usual exhibit from the different departments, and a poultry institute will be conducted during the show, under the direction of Prof. C. T. Patterson, Director of the Missouri State Poultry Experiment Station.

Every year shows an increase in number of exhibits of eggs, and this year should bring out the greatest display of eggs ever brought together in Missouri. Competition is open to the world. For further information please address Fred Crosby, Secretary, Mountain Grove, Mo.

"GOODLETT'S" ROYAL GOLDEN BUFF PLYMOUTH ROCKS

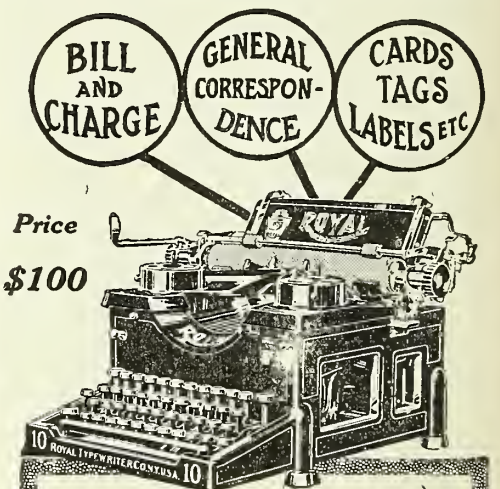
The Golden Buffs. I have a fine bunch ready to help you win at the early fall fairs and shows. At reasonable prices. Write me what you need. T. J. GOODLETT, Greenville, So. Carolina

HALLERS

Headquarters for Poultry Supplies

Agents for leading makes and brands of Incubators, Brooders, Poultry Supplies, Remedies, etc. Mail orders given prompt attention.

Haller's Pet Shop, 103 W. Mkt. St., Louisville, Ky.



The Royal

does the work of several typewriters in one—it writes, types cards and bills! All this without a dollar for "special" attachments. The one machine does it all.

Write Direct

for our new Brochure, "BETTER SERVICE," and a beautiful Color-Photograph of the New Royal Master-Model 10.

ROYAL TYPEWRITER CO. Inc.

364 Broadway New York

Hold Your Eggs For Higher Prices

ASPERO X will keep them as long as necessary
A sixty-cent sample can will coat fifty dozen

Send for sample can and convince yourself
We want reputable representatives in every town

Hammond, **ASPERO X** Indiana
WORKS

Kentucky State Fair

Sept. 11 to 16, 1916

Biggest and Best Poultry Exhibit
Held in the South.

All Standard Varieties, Uniform Cooping, Large
Cash Premiums, Silver Trophies, Specials, Etc.

The Poultry Show at the Kentucky State Fair is recognized as one of the leading in the United States. Don't fail to send a large string of your best birds. Coops furnished free and the best judges in the country. For premium list and entry blanks, address,

W. J. GOOCH, Secy, 6th Floor, Republic Bldg., Louisville, Ky.

Getting a Satisfactory Market for Your Products.

Nearness to a good market is one of the first essentials to success, for no matter how good the product of the farm, if there is no market there can be no profit. This, then, is one of the first considerations for the man selecting his future home and farm. The commercial egg business holds out big inducements to any man who will raise "more poultry and eggs." One reason why shippers sometimes fail in getting satisfactory returns may be traced to poor grading or no grading at all, and to bad eggs. The crying need of the State today is for a better grade of eggs as well as poultry. Producers, with few exceptions, pay little attention to grading. The man who starts here now, and who caters to a select trade will make money. No section of the country offers better inducements in this direction. The soft drink stands demand the highest grade and quality in eggs; the great hostelrys of the State demand the very best in all poultry products, and with the parcel post to fall back upon, there remains the private trade, which offers to the progressive man or woman unequalled opportunities for selecting his customers. Sanatoriums, hospitals, etc., all furnish an exceptionally profitable source of disposition, and indeed, the discrimination shown by consumers of poultry products surpasses that shown regarding any other staple article of food that I know of, because a fresh egg is a luxury, admitting of no substitute, and the number of its uses is such that it has become an indispensable article of food in every home.

Chattanooga Manufacturers Association Exhibit.

One of the most interesting sights of the many things to be seen in Chattanooga, Tenn., by visitors is the exhibit at the Chattanooga Manufacturers Association in their own building on Broad street, near Eighth street.

The association is composed of manufacturers representing a capital of over \$50,000,000.00 and making over two thousand different articles, varying from steel cars to needles.

The building of the association is one hundred feet in width and several stories high and most of it is occupied by handsome exhibits of articles manufactured by members of the association. The poultryman visiting the exhibit will be particularly interested in the display of the O. B. Andrews Co., celebrated manufacturers of poultry specialties. Every article in the large line manufactured by this concern is on exhibit and every visitor is presented with a copy of the "Poultryman's Text Book," which has been received so favorably by the leading poultrymen throughout the United States.

Shepherdsville, Ky., March 22, 1916.
Editor Industrious Hen,
Louisville, Ky.

Dear Sir: A few years ago I had a little ad in your breeders' card columns that brought good results. I had lost track of your paper until recently a friend told me of his advertisement with you this winter. Enclosed herewith \$1.50 to pay for ad. Please run as long as you can for the amount. Yours truly,
MISS E. BALES.

Let us tell you how you can get a pen of purebred birds free. We will start you in a profitable paying business. Write us now.

BIG NEW POULTRY JOURNAL

edited by Quisenberry, former Director of Mo. Poultry Experiment Station, and other practical Poultrymen. Each issue brim full of practical, up-to-date articles; questions and answers on vital poultry problems; latest results from various Experiment Stations; reports of all laying contests and information which will help insure your success. 12 months trial only 25 cents. **POULTRY CULTURE**, Dept. F, Kansas City, Mo.



A small display advertisement should be carried during the summer months. It will sell your surplus stock and land you some nice orders for show birds for early July and August fairs. Think this over.

EGGS FOR HATCHING

From High Class White Plymouth Rocks and Single Comb White Leghorns of the best strains. Healthy, prolific layers. Eggs \$1.50 for 15.

CHARLES HOLDER, Bridgeport, Alabama

FREE HELPS for Poultrymen

More eggs—better chicks—healthy poultry—more profit. Get personal advice from experts at the **PRATT EXPERIMENT STATION**

and FREE poultry books—Write Service Dept't
PRATT FOOD CO., Philadelphia, Pa. 424

Original and Up-to-date, of progressiveness we boast, Since we first employed your *Uncle Sam* with his *Parcel Post*; Our *Sanitary* work brings a smile, makes happiness complete, It's *Guaranteed*. We *return* it *prompt*, packed secure and neat. Bundles fifty cents or over, the *Postage Both Ways* we pay, Write for Information (better still), *Send Trial Bundle Today*; *Charge Accounts* are opened to parties with reference, Tried once, this *Laundry* will always be your preference.

WRITE FOR INFORMATION

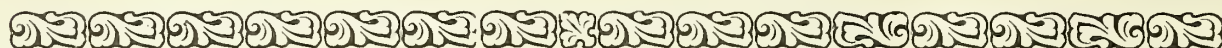


THE POSTAGE WE PAY
ANYWHERE IN THE U.S.A.

Secretary's Entry Book



A very compact book, size 8 1/2 x 8 1/2 inches, giving ample space for making entries without crowding. Printed on best quality paper and handsomely bound. Our simple labor-saving system of special indexing is a feature that adds much to the book and affords a great saving of time in making entries. 100 Leaves \$2.00:



THE INDUSTRIOUS HEN, - - - Louisville, Ky.

USE DIAMOND EGG BOXES

for shipping your fancy eggs. Cheapest because safest. Thousands of testimonials. Sample 25 cents; dozen \$1.50. Write today.

DIAMOND BOX MFG. CO.
North Second Street, Minneapolis, Minn.

DUSTIN WHITE WYANDOTTES

My birds have won wherever shown. At Owensboro Poultry Show, 1914: 1st pen, 1st cock, 1st cockerel, 1st hen and 1st pullet, silver cup for best hen in show. 1915 Owensboro Show: Silver cup on champion cock bird, 2d hen and 2d male. Prices of eggs, choice, \$2 per 15, or \$3.50 per 30, \$6 per 50, or \$10 per 100. Utility \$1.25 per 15, or \$5 per 100.

Mrs. Tom H. Hayden, Locust Grove Poultry Yards, R. No. 6, Owensboro, Ky.
Member National White Wyandotte Club

FOR SALE, AN EGG MACHINE

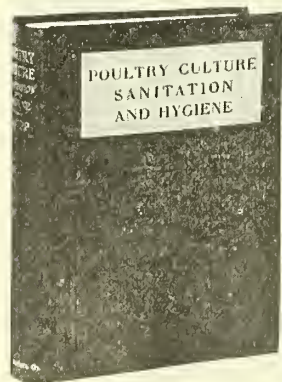
Lawson's Egg Machine S. C. White Leghorns. Eggs, stock, day old chicks, one or a thousand. Mating list tells, its free.

A. J. LAWSON, R. No. 4 Cleveland, Tenn.

OUR BLACK ORPINGTONS AND PART-RIDGE PLYMOUTH ROCKS

are better than ever, and we will sell eggs the balance of the season at \$1.00 per 15. Stock and Baby Chix a matter of correspondence. Pineview Poultry Yards, Algood, Tenn.

Your Chickens will pay you
Bigger Profits



if they are properly cared for—kept free from disease, mated properly. This new book tells you plainly how to select chickens for breeding; how to keep them free from disease and lice; how to feed chickens for laying and for the

market; how to dress them, prepare them for show; how to increase their laying; how to market eggs; care for feathers; use the droppings for fertilizer; how to castrate and spay; how to construct and equip chicken houses—all illustrated. It is a big book of 418 pages, written by a man who knows—Prof. B. F. Kaupp. Cloth, \$2.00, postage free. Send in your order today.

THE INDUSTRIOUS HEN
Louisville Kentucky

If you are raising exhibition birds, then you should be very careful to protect the plumage of the growing birds from the hot July sun. Give them a nice shady run, where they will not be compelled to remain in the burning sun and you will find their plumage will be much better in color and condition. They should also be protected from these long rainy days, which is bad to discolor the plumage.

Remember that the advertiser who keeps his name before the public during the next four months will get the early fall sales. Do you want this business?

BARGAIN SALE

S. C. Brown Leghorn hens and pullets. Prize-winning, winter-laying strain; begin laying at 6 months and keep it up. S. C. Brown and White Leghorn cockerels, whose daughters will equal their mothers and sisters. R. C. Rhode Island White cockerels; well known Excelsior Strain; won 1st, 3d on 4 entries at Canton, Dec. 28, 1915. Combine rapid development and heavy egg production with size and quality. Prices reasonable.

MRS. S. G. TILTON, Eagle Station, Ky.



Reliable Poultry Journal

3 MONTHS' Trial Sub. 10c

Tell's how to succeed with poultry. 1 year, 50 cents; 3 years, \$1.00.

Reliable Poultry Journal Pub. Co., Dept. 539. Quincy, Ill.

WHITE WYANDOTTES

Dixie's Quality Strain. Northern-Southern winners. Record layers. Catalogue and special sales circular free.

CARRINGTON JONES

Buntyn, Box No. 145 Tennessee

PRINTING

For The Poultry Raiser

500 Letterheads (size 8 1/2 x 11), 500 Envelopes, 500 Cards, delivered upon receipt of \$3.25. Low prices on all kinds of printing.

THE WENDELL COMPANY

Particular Printing for Particular People
LOCK BOX 157, NORWICH, N. Y.

Co-operative Egg Circles.

There are fifty co-operative egg marketing circles in Mississippi, composed usually of the school children and the farm wives. The fresh eggs are brought in twice a week to the schoolhouse, say, where one member or a small committee of the members grades and packs them in one-dozen cartons for the parcels post.

Fresh, uniformly colored, infertile eggs weighing over two ounces each bring a premium over market prices. The packers look after all the business details of marketing for 1 1/2 or 2 cents a dozen. The producers get more money for their eggs and the consumers get more eggs for their money.

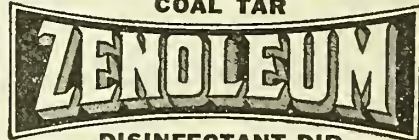
One of these egg circles has sold 3,815 dozen eggs direct to city purchasers in this way at prices averaging 24 cents per dozen.

Lice and Mites are Profit Killers



Lice and Mites live on the blood of Poultry, sap the vitality of hens, kill baby chicks and steal profit. Lousy hens won't eat properly, won't lay, won't thrive. Keep YOUR poultry free from lice and mites. You can rid them of these pests. Drive the profit thieves out of your chicken house and keep them out with

COAL TAR



DISINFECTANT-DIP

It helps egg production, cures chicken diseases, increases poultry profits. Spray Zenoleum freely and often in the homes of your birds. It's used and endorsed by 50 Agricultural Colleges. Cures and prevents many live-stock diseases. **Special Trial Offer.** We send parcels post prepaid, eight ounces for 25 cents, a quart for 50 cents, full gallon \$1.50. Use it as directed, absolutely at our risk. If it fails to meet severest test it doesn't cost you a penny. Must do all you want it to do or back comes your money; no argument, just money. **Zenoleum Lice Powder**—the most wonderful powder of all—big package 25 cents post paid. Free Book, "Cause, Symptoms and Treatment for all Poultry Diseases."

ZENNER DISINFECTANT CO.
660 Lafayette Ave. Detroit, Mich.

24 LEGBANDS FREE

MAKE YOUR HENS PAY



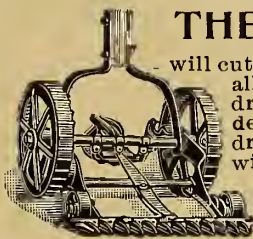
We send free 24 of the best Leg Bands made to every new and renewing subscriber to THE INDUSTRIOUS HEN at 50c. 36 Bands will be sent with a three years subscription for \$1.00. If you are already a subscriber you may renew; or if you will get your neighbor to send 50c for his subscription, we will send a dozen Leg Bands to each. Enclosed money order or stamps. Mention "Leg Bands" when subscribing under this offer.

BLAIR-YOUNG PUB. CO. LOUISVILLE, KENTUCKY.

READ

The liveliest poultry paper in the South, THE INDUSTRIOUS HEN. Valuable articles each month on mating, feeding, poultry diseases, etc. Sample copy free. Trial subscription three months 10c. Let us tell you how you can get a pen of purebred birds absolutely free.

THE INDUSTRIOUS HEN, Dept. A Louisville, Ky.



THE CLIPPER

will cut tall and short grass, do all trimming along walks, drives and fences. If your dealers haven't them, drop us a line and we will send circulars and prices.

Clipper Lawn Mower Co.
5th St., Dixon, Ill.

LOYD'S PARTRIDGE ROCKS

Big winners at the Big Shows. Stock eggs and Baby Chicks for sale. Eggs half price after May 15th. Circular free.

C. J. LOYD & SON,

Greensburg, Farm R. R. No. 4 Indiana

CALHOUN'S S. C. WHITE LEGHORNS

For size, vigor, beauty and winter eggs be sure they're "Woodland Bred." Summer sale, year-old and two-year-old breeders, the kind that produce "Woodland Quality" Stock. Our fine bunch of February and March hatched cockerels would please you. Order cockerels now for future delivery, and get our low prices on breeders.

JNO. R. CALHOUN, Prop.

WOODLAND POULTRY FARM, MORRISTOWN, TENN.

One-half Mile North of Main Street—Visitors Welcome

ANCONAS—SILVER CAMPINES

Summer bargains in Ancona eggs and breeding stock, and Silver Campine eggs. Prices cut in half.

F. G. STICKNEY,

TUSCALOOSA, ALA.

S. C. RHODE ISLAND REDS

After May 1st I will offer eggs at \$1.00 per 15, or \$1.50 per 30. Also choice lot of breeders for sale at half price, to make room for our youngsters. If you want a bargain write now.

G. E. TABB,

ROUTE NO. 2

ELIZABETHTOWN, KY.

Incubators
Incubator Stoves
Brooders
Fountains
Poultry Remedies
Dog Remedies
Thermometers
Leg Bands
Feed Hoppers

Feed Supplies and Parcel Post Boxes
FOR POULTRY, PETS AND GARDEN
Complete Stock Write for Catalogue

HERMAN STRAUS & SONS CO.,
LOUISVILLE, KENTUCKY

Wire Netting
Automatic Feeders
Egg Cartons
Poultry Cartons
Dressed Poultry
Cartons
Baby Chick Cartons
Vegetable Cartons
Garden Seed

BLUE ORPINGTONS AND SPECKLED SUSSEX

At the recent FANCIERS ASSOCIATION SHOW at Indianapolis, Ind., January 1-14, 1916, we won as follows: BLUE ORPINGTONS—1-2 cocks, 2-3-4 hens, 2-3-4 cockerels, 1-2-4 pullets and 1st old pen. SPECKLED SUSSEX—1st cockerel, 2d pullet and 1st young pen. Our birds have also won at Chicago, Milwaukee, Indiana State Fair and other National shows during the past two years. If you want quality in either stock or eggs get our prices and mating lists. We are ready to furnish our Southern customers eggs now. Address

FRED. RAU

GRAND HOTEL

INDIANAPOLIS, INDIANA

QUALITY WILL TELL

"Oaklawn Strain" White Plymouth Rocks

At the five shows where I exhibited this season I won 21 Firsts, 19 Seconds, 13 Thirds, 2 Fourths and 1 Fifth—a total of 56 prizes out of 66 entries. As the above facts prove, "OAKLAWN STRAIN" WHITE PLYMOUTH ROCKS hold their own wherever shown, as also in the egg-laying contests. My pen of pullets won two cups in the Missouri Egg-Laying Contest for 1914-1915. Stock for sale in singles, pairs, trios and pens, properly mated to produce the best there is in White Plymouth Rocks. Eggs for hatching from exhibition matings. Guarantee on stock "Satisfaction" or money refunded. On eggs "A Good Hatch"—you to be the judge. For illustrated mating and price list, address

W. B. JENKINS, PROP.,

OAKLAWN POULTRY YARDS,

Glendale, Ky.

SPECIAL Combination OFFER

THE INDUSTRIOUS HEN

and any other paper in this list
for only

75 Cents

or any other two papers in this list
for only

\$1.00

We offer you your own selection from the 40 Largest and Best Poultry and Farm Magazines in the World, covering every particular section of the United States.

Money saved is Money earned.

We can send you The Industrious Hen and any four for \$1.70 or any six for \$2.30

American Poultry World, New York
American Poultry Advocate, New York
The Ancona World, New York
Poultry Tribune, Illinois
Poultry Culture, Kansas
Everybody's Poultry Journal, Penn.
Poultry Herald, Minnesota
Poultry Item, Pennsylvania
Poultry Keeper, Illinois
Poultry Success, Ohio
Reliable Poultry Journal, Illinois
Successful Poultry Journal, Illinois
Poultry Breeder, Michigan
Inland Poultry Journal, Indiana
Western Poultry Journal, Iowa
Farm Poultry, Massachusetts
Poultry Record, Ohio
Southern Poultryman, Texas
Poultry Pointers, Michigan
Poultry Review, New York
Pacific Poultryman, California
American Poultryman, Nebraska
Pacific Poultrycraft, California
Poultry Post, Indiana
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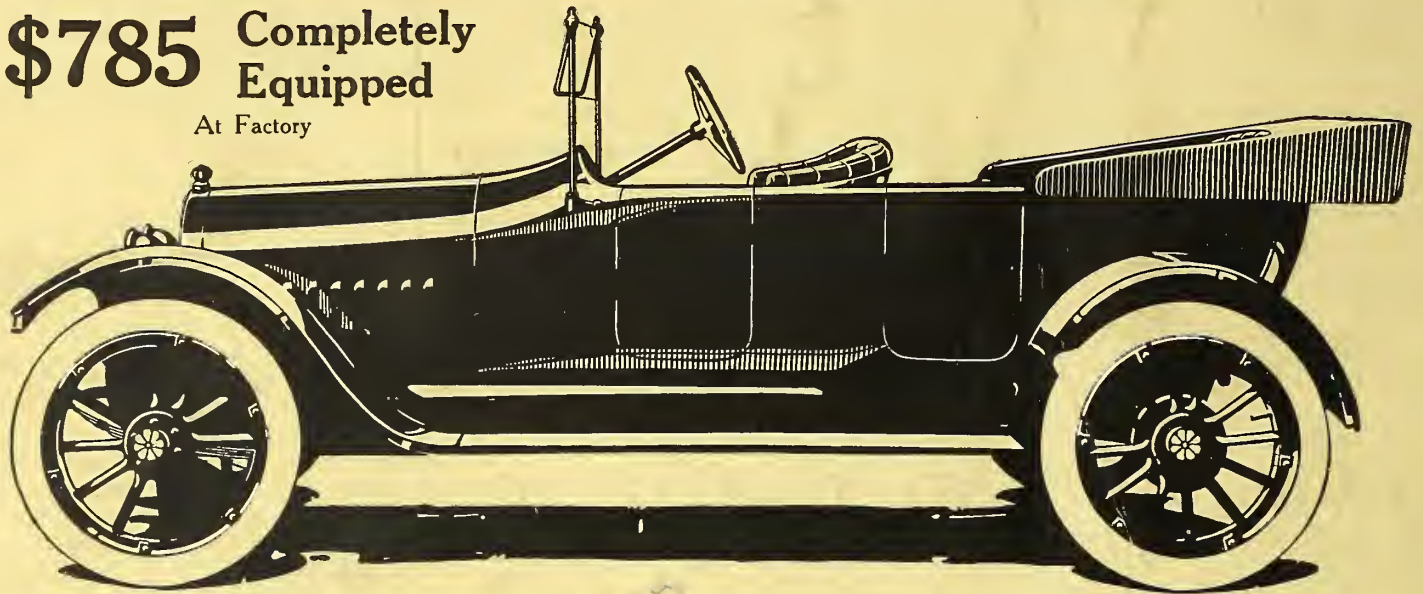
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